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TITLE: Preparation of substituted (hetero)aromatic compounds that modulate PPAR activity
INVENTOR(S): Bratton, Larry D.; Cheng, Xue-Min; Erasga, Noe; Filzen, Gary F.; Geyer, Andrew G.; Lee, Chitase; Trivedi, Bharat K.; Unangst, Paul C.
PATENT ASSIGNEE(S): Warner Lambert Company LLC, USA
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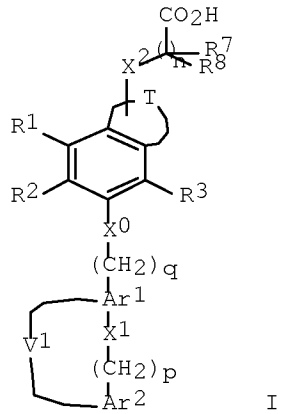
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20040209936	A1	20041021	US 2004-774260	20040206
US 7244763	B2	20070717		
US 20030225158	A1	20031204	US 2003-347749	20030122
US 6875780	B2	20050405		
CA 2522118	A1	20041028	CA 2004-2522118	20040405
WO 2004091604	A1	20041028	WO 2004-IB1178	20040405
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1620086	A1	20060201	EP 2004-725756	20040405
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
BR 2004009486	A	20060502	BR 2004-9486	20040405
JP 2006524220	T	20061026	JP 2006-506486	20040405
NL 1025961	A1	20041026	NL 2004-1025961	20040416
NL 1025961	C2	20050215		

PRIORITY APPLN. INFO.:

US 2003-463641P	P	20030417
US 2002-370508P	P	20020405
US 2002-386026P	P	20020605
WO 2004-IB1178	W	20040405

OTHER SOURCE(S): CASREACT 141:366218; MARPAT 141:366218
GI



I

AB Title compds. I [X0-2 = absent, O, S, amino, etc.; Ar1-2 = (hetero)aryl, etc.; V1 = absent, (un)saturated hydrocarbon chain, etc.; T = (un)saturated, (un)substituted hydrocarbon, etc.; R1-3 = H, alkyl, alkoxy, etc.; R7-8 = H, alkyl, halo, etc.; n = 0-5; q = 0-10; p = 0-10] are prepared For instance, [7-[(4-(4-Chlorophenyl)-4-oxobutyl)sulfanyl]indan-4-yloxy]acetic acid is prepared in 5 steps from 4-hydroxyindan-1-one, Me bromoacetate and 4-chloro-1-(4-chlorophenyl)butan-1-one. Compds. of the invention exhibit IC50 < 9,344 nM for PPARβ and IC50 of < 15,000 nM for PPARα. I are useful for the treatment of dyslipidemia, hypercholesterolemia, obesity, hyperglycemia, atherosclerosis, hypertriglyceridemia and hyperinsulinemia.

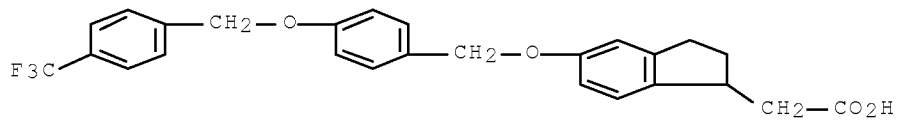
IT 779187-48-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of substituted (hetero)aromatic compds. that modulate ppar activity for the treatment of, e.g., dyslipidemia)

RN 779187-48-3 CAPLUS

CN 1H-Indene-1-acetic acid, 2,3-dihydro-5-[[4-[[4-(trifluoromethyl)phenyl]methoxy]phenyl]methoxy]- (CA INDEX NAME)



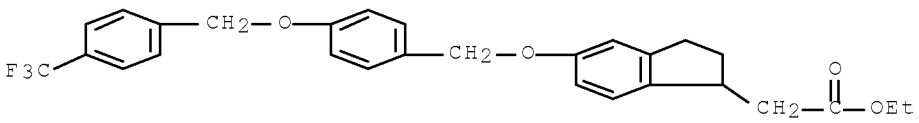
IT 779202-60-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of substituted (hetero)aromatic compds. that modulate ppar activity for the treatment of, e.g., dyslipidemia)

RN 779202-60-7 CAPLUS

CN 1H-Indene-1-acetic acid, 2,3-dihydro-5-[[4-[[4-(trifluoromethyl)phenyl]methoxy]phenyl]methoxy]-, ethyl ester (CA INDEX NAME)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CH2
O
CH2
O
CH2
C
O
OEt